Cheshire College
South & West

Streamlined Energy and Carbon Report (SECR)

2019-2020

Our Purpose;
Nurturing talent and empowering people to achieve their full potential; supporting businesses to succeed and communities to thrive.

Inspire. Believe. Achieve.

1. Introduction

1.1 In line with the Guidance for Streamlined Energy and Carbon reporting, as set out in the College Accounts Direction, Cheshire College South & West (CCSW) can report the figures in *Table 1* below, calculated and based on UK Government Greenhouse Gas (GHG) factors for company reporting.

Greenhouse Gas Emissions Energy Use Data 1 August 2019 to 31 July 2020	2019-20
Energy Consumption used to calculate emission (kWh)	12,941,511
Energy Consumption Breakdown (kWh)	
Gas	7,500,230
Electricity	5,140,765
Transport Fuel	300,516
Scope 1 Emissions in Metric Tonnes CO_2e	
Gas Consumption	1,379.07
Owned Transport	8.49
Total Scope 1	1,387.56
Scope 2 Emissions in Metric Tonnes CO_2e	
Purchased Electricity	1,198.52
Scope 3 Emissions in Metric Tonnes CO_2e	
Business Travel in Employee-Owned Vehicles	59.52
Total Gross Emissions in Metric Tonnes CO_2e	**2,645.60**
Intensity Ratio	
Tonnes CO_2e per member of staff	5.3

(Table 1: Streamlined Energy and Carbon Data 2019-20)

1.2 The emissions reported are for the period 1 August 2019 to 31 July 2020 from leased and controlled assets for which CCSW is responsible.

2. Quantification and Reporting Methodology

2.1 Emissions have been calculated and reported in accordance with their individual scope and classification resulting predominantly from acting as supporting infrastructure for the delivery of the College's core activities of teaching and learning, with a small contribution which could be deemed applicable to commercial activity.

2.2 In circumstances where recorded data is not available a justifiable method of estimation has been applied based on the context of use and end user knowledge.

2.3 The College have followed the 2019 HM Government Reporting Guidelines and utilised the Greenhouse Gas (GHG) Reporting Protocol - Corporate Standard and have used the 2020 UK Government's Conversion Factors for Company Reporting.

2.4 Transport fuel expressed as energy consumption and highlighted as kWh output refers to a calculated contribution from in house fleet vehicles, where known engine capacity, recorded mileage and estimated use has been used.

2.5 Scope 3 emissions (business travel) calculated in metric tons of CO_2e have been based on an overall mileage figure taken from staff mileage claims paid within the qualifying period using the appropriate conversion figure for a large diesel engine car as directed in the 2020 guidelines only.

2.6 Future submissions will allow prior year equivalent figures to be disclosed for comparison but is not required in this, the first year of generation for the College as a reporting organisation.

3.   Intensity measurement

3.1   The chosen intensity measurement ratio is total gross emissions in metric tonnes CO2e per staff member, the recommended ratio for the sector.

4.   Funding Opportunities – Public Sector Decarbonisation Scheme (PSDS)

4.1   Despite a robust application, supported by the Public Sector Low Carbon Skills Fund, the PSDS submission was not successful due to the grant scheme being significantly oversubscribed. The project is paused until the next wave of funding which is expected in April 2021, and the focus will be on heat decarbonisation to reduce usage and outgoings.

5.   Measures taken to improve efficiency

5.1   The College has undertaken several projects to positively impact the carbon footprint of the three Campuses as outlined below:

    5.1.1   Replaced banks of ineffective fluorescent lighting with high efficiency LED lighting.
    5.1.2   Upgraded hot water systems and improved heat exchanger plant to reduce dependence on gas powered sources.
    5.1.3   Replaced failing pipework and associated lagging to improve efficiency of heat transfer.
    5.1.4   Reviewed energy suppliers to consider 'green only' suppliers – to be completed Q3 2021.
    5.1.5   Encouraged reduction in use of College and personal vehicles through the Cycle to Work Scheme.
    5.1.6   Promoted the use of MS Teams and other video conferencing as an alternative to cross-Campus travel.
    5.1.7   Reviewed and disposed of aging and inefficient College vehicles.
    5.1.8   Altered the default College search engine to Ecosia.